

Geocel® 201

ONE PART POLYSULPHIDE SEALANT

Geocel® 201 is a one part, ready to use, flexible, polysulphide sealant for expansion joints in building and construction. It has excellent adhesive and weathering properties and cures to a tough, flexible sealant. It is ideal for sealing against pre-cast facing and cladding panels, wall tiles, granite, metal or timber window frames, masonry and certain glazing systems.

- Excellent adhesion to both porous and non-porous surfaces
- Large colour range available
- Joint movement capability of $\pm 17.5\%$
- Easy to apply, one component sealant
- No maintenance required
- Unaffected by extremes in climatic conditions
- Non-slump
- Over paintable (see limitations on reverse)

SPECIFICATIONS

Conforms to BS 5215

Manufactured under ISO 9001



TECHNICAL DATA

| | |
|--------------------------------------|---|
| Storage Life | 9 months from date of manufacture when stored in cool, dry conditions below 23°C. The expiry date is printed on the cartridge and should be noted |
| Colour | White, Grey, Teak, Black, Buff and Brick Red |
| Service Temperature | -40°C to +90°C |
| Application Temperature | +5°C to +40°C |
| Slump | Nil |
| Tack Free Time | 24 hours at 25°C and 50% relative humidity |
| Cure Time | 2.5mm thickness: 10 days 6.0mm thickness: 20 days At 25°C and 50% relative humidity for an exposed bead |
| Specific Gravity | 1.6 |
| Movement Accommodation Factor | ±17.5% |

Specification writers: These values are not intended for use in preparing specifications. Please contact your local **Geocel® Sales Representative** prior to writing specifications on this product.

JOINT DESIGN

When designing joints using **Geocel® 201**, the minimum joint width should be 6mm. For joints between 6mm-12mm wide, a seal depth of 6mm is required. For joints above 12mm wide, a width to depth ratio of 2:1 should be used. In situations where fillet joints are needed, a minimum of 6mm sealant bite to each substrate is recommended.

SURFACE PREPARATION

Ensure that all surfaces are clean, dry, sound and grease free. Clean all joints of release agents, water repellents, laitance, dust, dirt, old sealants, and other contaminants, which could impair adhesion. Metal surfaces should be cleaned and degreased by wiping with a suitable solvent on an oil and lint free cloth.

Note: When using a solvent, always provide adequate ventilation. Avoid heat, sparks and open flames. Observe and follow all precautions listed on solvent container label. It is recommended that **Geocel® 201** is not applied to surfaces that are below 5°C as it is impossible to guarantee a dry, frost free surface at this temperature.

The following table is a guide only. For further information contact **Geocel® Technical Service**.

| SUBSTRATE | SURFACE CLEANING | RECOMMENDED DEGREASING | PRIMER |
|------------------------|---|------------------------|----------------|
| Aluminium | Abrade if necessary Solvent Wipe | IPA | Primer NP |
| Cooper | Abrade if necessary Solvent Wipe | IPA | Primer NP |
| Brass | Abrade if necessary Solvent Wipe | IPA | Primer NP |
| Chrome-Plated Surfaces | Abrade if necessary Solvent Wipe | IPA | Primer NP |
| Stainless Steel | Abrade if necessary Solvent Wipe | IPA | Primer NP |
| Galvanised Steel | Abrade if necessary Solvent Wipe | IPA | Primer NP |
| Granite | Remove all loose particles and dust. Degrease if necessary | IPA | Primer P |
| Concrete | Remove all loose particles and dust. Degrease if necessary | IPA | Primer P |
| Pre-Cast Facing | Remove all loose particles and dust. | IPA | Primer P |
| Common Brick | Remove all loose particles and dust. Degrease if necessary | IPA | Primer P |
| Ceramic Tile | Remove surface glaze by mechanical means | IPA | Primer P |
| Terrazzo Tile | Remove surface glaze by mechanical means | IPA | Primer P |
| Porcelain Enamel | Remove surface glaze by mechanical means | IPA | Primer P |
| Marble | Contact Geocel | Contact Geocel | Contact Geocel |
| Stained/Treated Timber | Contact Geocel | Methylated Spirits | Primer P |

MASKING

Areas adjacent to the joints should be masked with tape to prevent contamination of substrates and to ensure a neat sealant line. Masking tape should be removed immediately after tooling.

PRIMING

Priming is important in order to maximise the adhesive properties of **Geocel® 201**. Two primers are available: **Geocel® Polysulphide Primer P** for porous surfaces and **Geocel® Polysulphide Primer NP** for non-porous surfaces.

It is recommended that **Geocel® Technical Service** be consulted with regard to primer selection against marble, micro-porous wood finishes and treatments.

When glazed ceramic, terrazzo tiles or porcelain enamel joint surfaces are encountered, the surface glaze where sealant will make contact should be removed with sandpaper, sandblast or a wire brush, followed by cleaning with a suitable solvent.

Application of Primers

In all cases ensure that the total surface area to be in contact with the sealant is coated with primer. Detailed information on primers is included in the Guide to Surface Preparation Data Sheet, which is available on request.

Geocel® Polysulphide Primer NP

Apply the primer by wiping with a lint-free cloth on as thin a film as possible. Allow the primer to air-dry for at least 30 minutes. Apply sealant within 6 hours.

Geocel® Polysulphide Primer P

Apply the primer by brushing or wiping with a lint-free cloth on as thin a film as possible. Allow the primer to air-dry for at least 30 minutes. Apply sealant within 6 hours.

BACK-UP MATERIAL

Closed cell polyethylene backer rod is recommended where a back-up material is required. Low tack polyethylene tape should be used in joints too shallow to allow the use of backer rod. Backer rod is available from **Geocel®**.

FINISHING

The joint should be 'tooled' within five minutes of application to ensure good contacts between the sealant and the substrate. Tooling of the sealant also gives a smooth, professional finish.

CLEANING

Excess sealant may be cleaned off tools and non-porous surfaces, whilst in an uncured state. Sealant adhering to porous surfaces should be left until cured and then carefully removed by abrasion or other mechanical means.

LIMITATIONS

Geocel® 201 should not be applied to building materials that bleed oils, plasticisers or solvents.

It is not recommended for use with certain plastics, generally of the flexible plasticised type.

Geocel® 201 should not be used on substrates that undergo excessive thermal movement e.g. PVC-U.

Over paintability - as paints are being reformulated to changing legislation it is recommended that a test application is carried out first.

Geocel® Technical Service will be pleased to give further advice in specific situations.

PACKAGING

Geocel® 201 is supplied in 380ml cartridges packed in boxes of 20.

HEALTH AND SAFETY

Health and Safety data sheets available on request.

TECHNICAL SERVICE

For further technical information, advice on suitability for specific applications, or detailed Health and Safety information, contact **Geocel® Technical Service**.

IMPORTANT NOTE The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Geocel's products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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